

09/65(24/30)

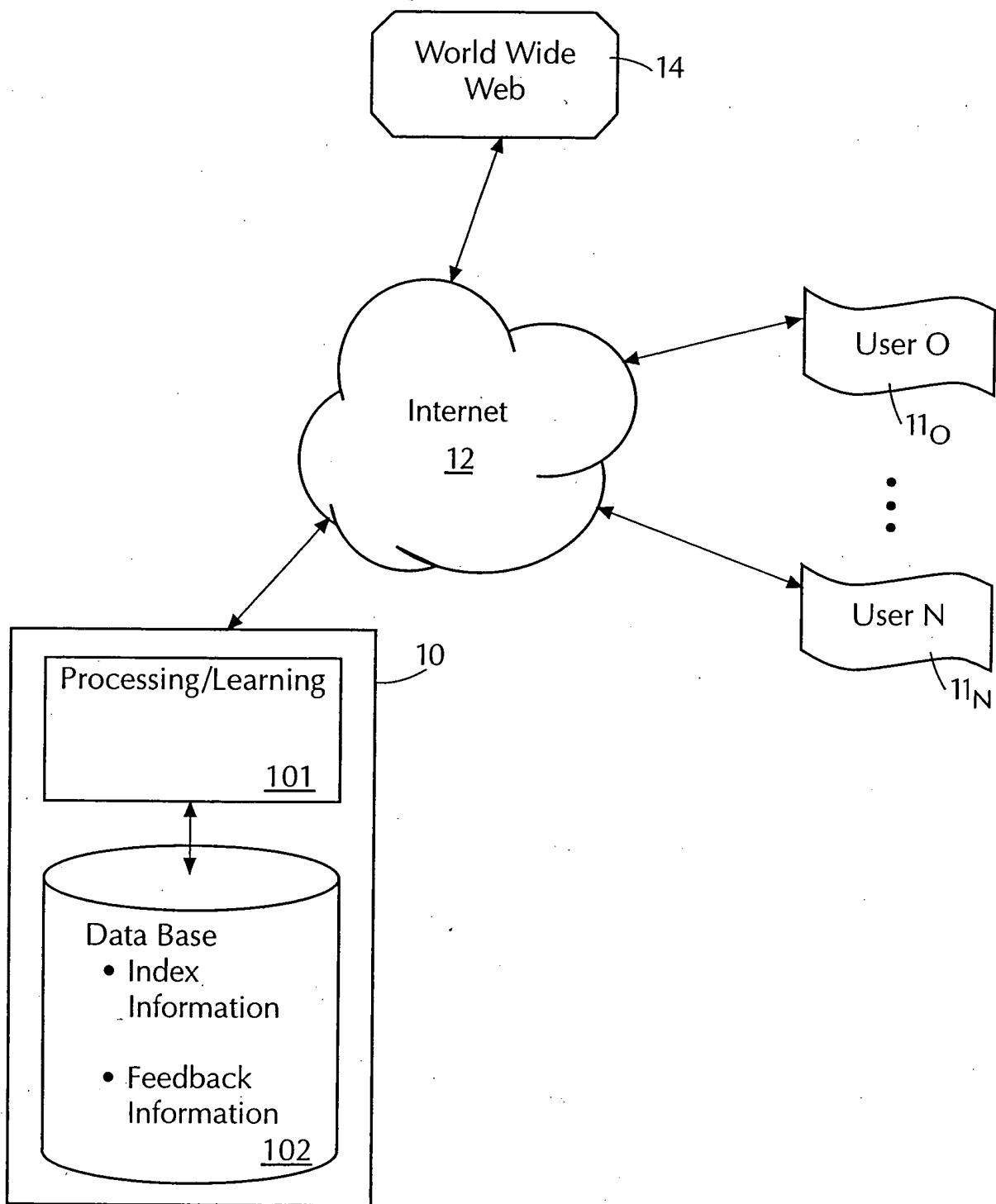
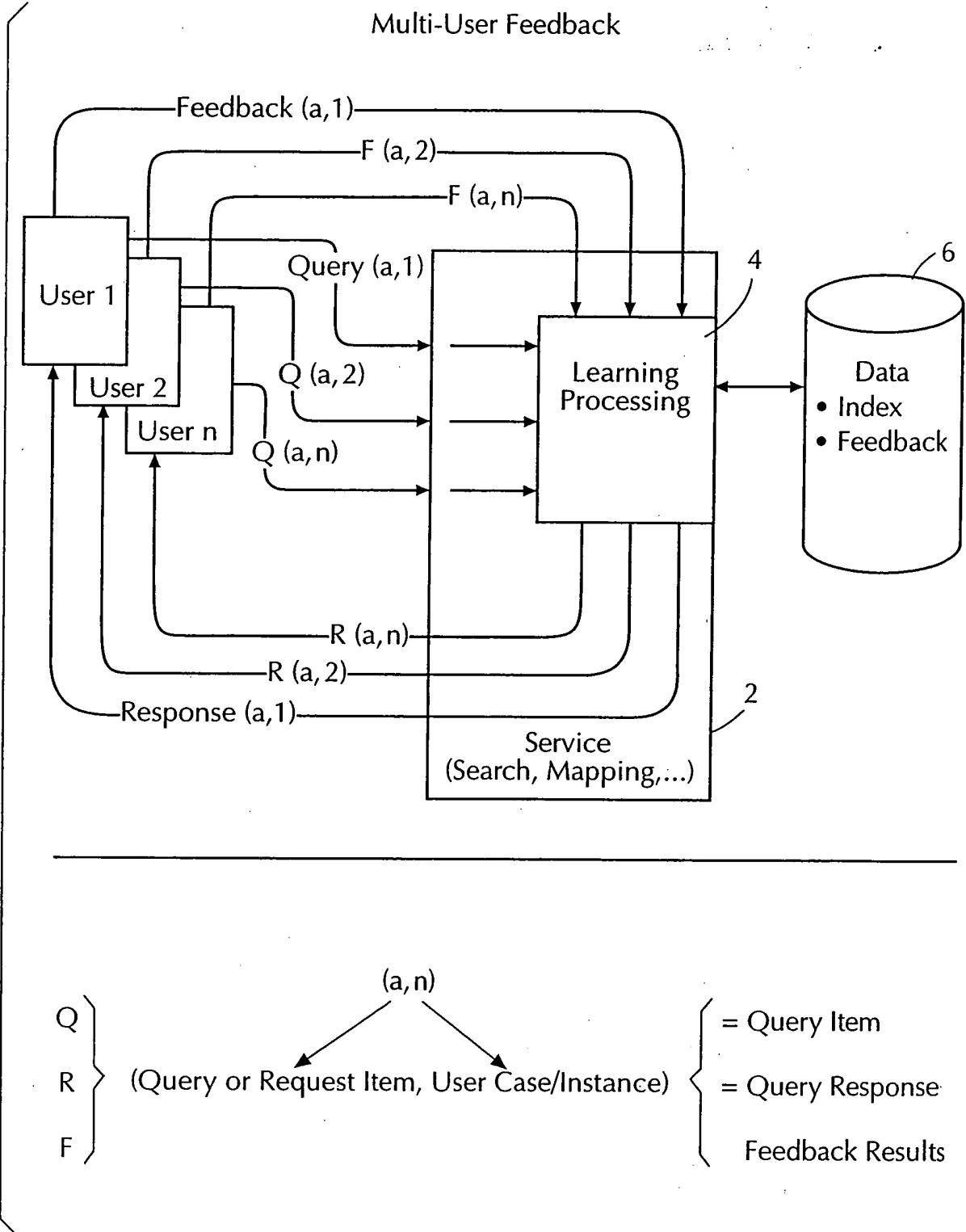
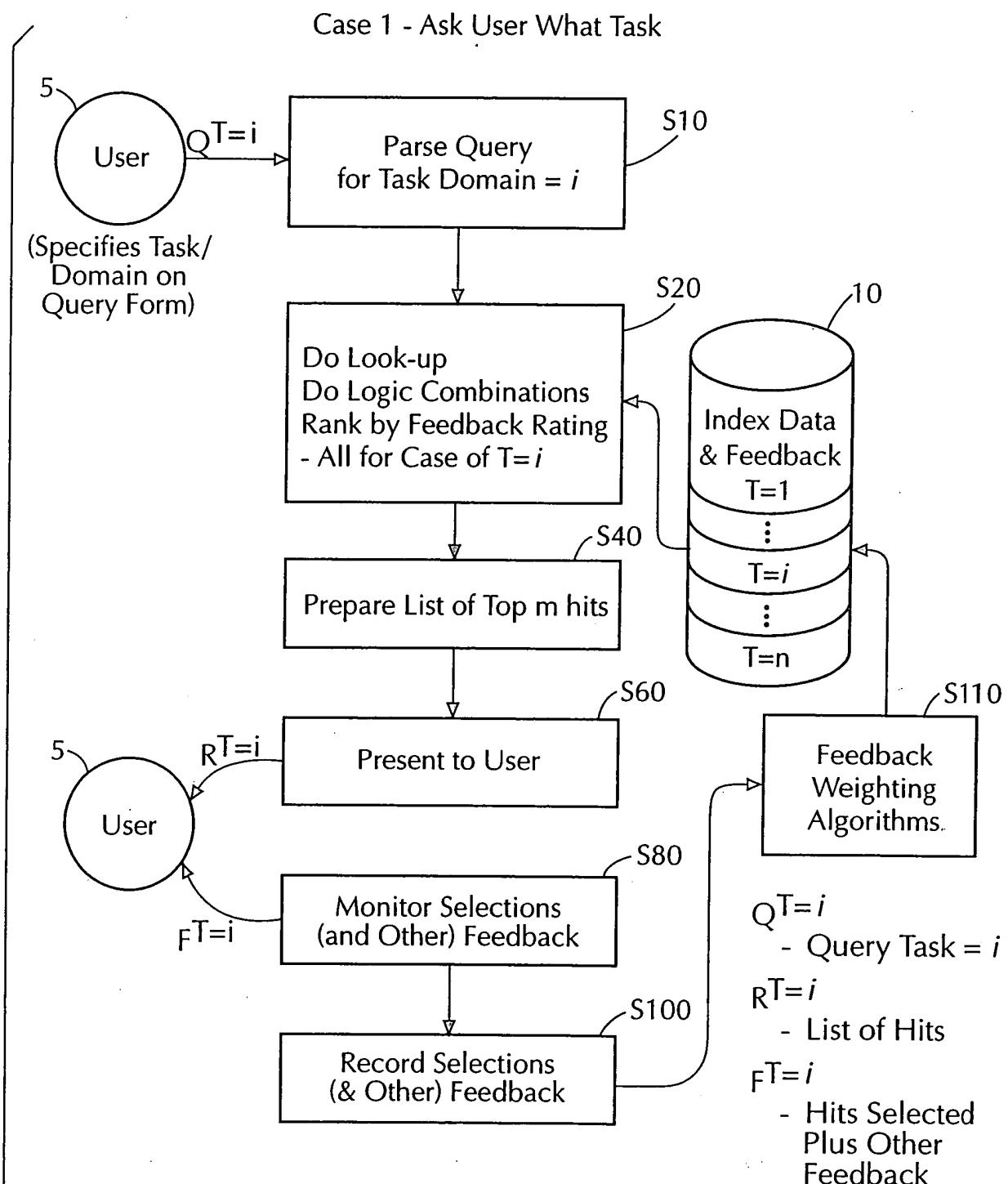


FIG. 1A



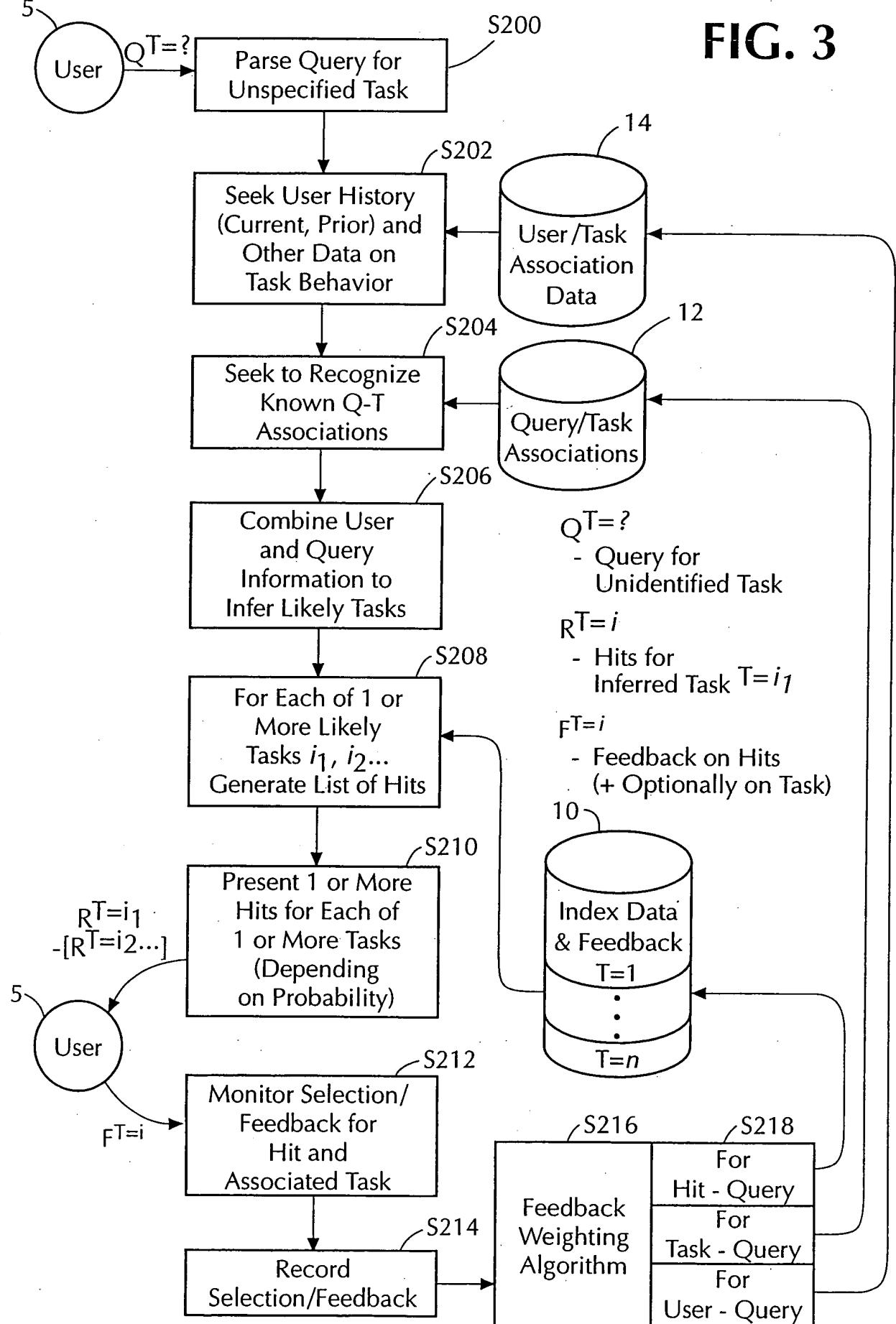
**FIG. 1B**



\*o Use semantics information and vocabulary to define tasks.  
- Match task specifications in terms of semantics/vocabularies.

\*o Segment data by task as feedback is obtained.  
- Start with all data at low probability setting, then adjust as feedback is obtained.

**FIG. 3**



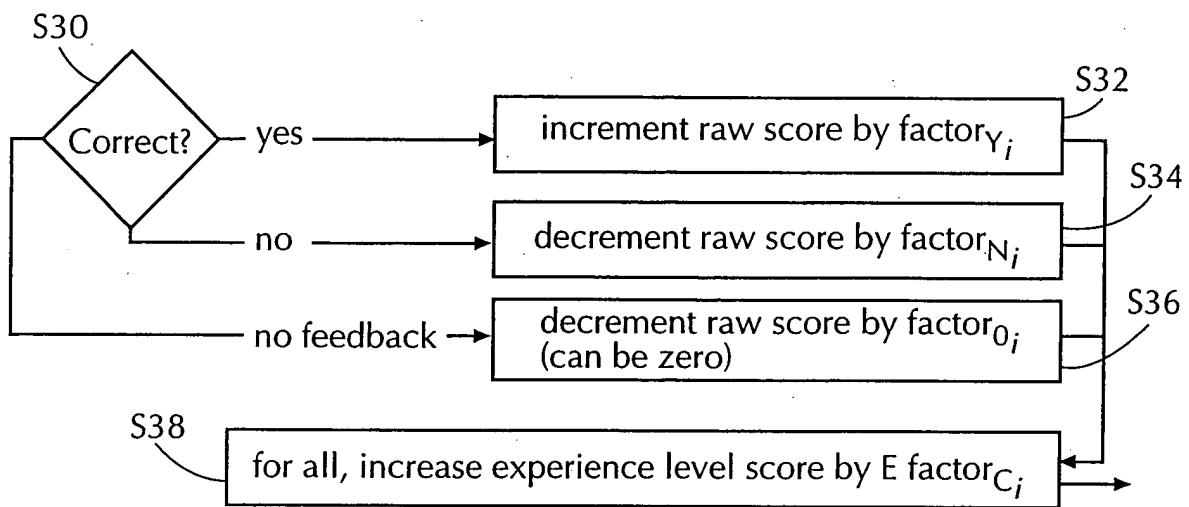
**FIG. 4**

Index Sample - Task/Domain

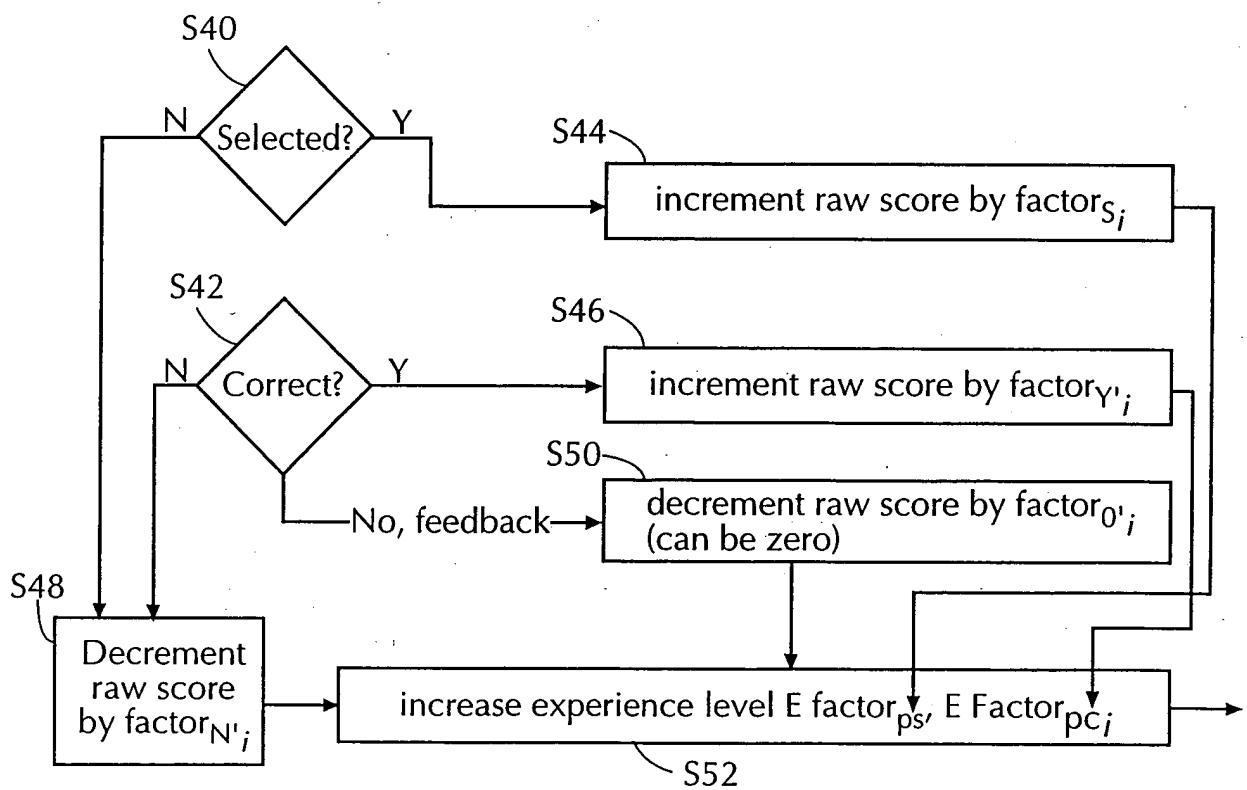
Tasks $T =$	Q's Q (a)	Compound	Pass Targets	Raw Score	Exp. Avail	Probability (Task/Domain)
1	Single Element	0	T1 T2 ⋮	Sa1T1	Ea1T1	Pa1T1
1	Q (a)	0				
1	Q (b)	0				
1	Compound	1				
1	Q (c)	1				
2	Single	0				
2	Q (a)	0				
2	Q (d)	0				
2	Compound	1				
2	Q (e)	1				
⋮ n						
X	Single	0	T1 T2 ⋮	SaxT1	EaxT1	PaxT1
X	Q (a)	0				
X	Q (f)	0				
X	Compound	1				
X	Q (g)	1				
X <sub>1</sub>	Q (a)	0	T1 T2 ⋮	Sax <sub>1</sub> T1	Eax <sub>1</sub> T1	Pax <sub>1</sub> T1
X <sub>1</sub>	Q (b)	0				
X <sub>1</sub>	Q (c)	1				
X <sub>2</sub>	Q (a)	0				

Known Tasks

Unknown Tasks



**FIG. 5A**



**FIG. 5B**